

ATTACHMENT 27

1 UNCERTIFIED-UNEDITED ROUGH DRAFT

2 REPORTER'S NOTE: THIS TRANSCRIPT IS A ROUGH
3 DRAFT TRANSCRIPT ONLY. THIS REPORTER HAS NEITHER
4 EDITED NOR PROOFREAD THE TEXT, AND IT IS NOT A
5 CITABLE DOCUMENT.

6
7 REPORTER: WILLIAM VISCONTI

8 THE VIDEOGRAPHER: Good morning.

9 We are going on the record at 10:05 on
10 March 17th, 2023. Please note that this
11 deposition is being conducted virtually
12 quality of recording depends on quality of
13 camera and internet connection of
14 participants. What is seen from the
15 witness and heard on screen is what will be
16 recorded. Audio and video recording will
17 continue that place unless all parties
18 agree to off the record.

19 This is media unit 1 of the video
20 deposition of Einer Elhauge in the Matter
21 of da Vinci Robot Surgical Robot Antitrust
22 Litigation filed in the U.S. District
23 Courty for the Northern District of
24 California San Francisco Division. Case

25 No. 3:21-CV-03825-VC.

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2 My name is Michael Barankovich
3 representing Veritext and I'm the
4 videographer. The court reporter is Bill
5 Visconti from the firm Veritext. I'm not
6 authorized to administer an oath, I'm not
7 related to any party in action nor am I
8 financially interested in the outcome.

9 All counsel will noted on the
10 stenographic record. Will the court
11 reporter please swear the witness.

12 E I N E R E L H A U G E,
13 having been first duly sworn by the Notary Public,
14 was examined and testified as follows:

15 EXAMINATION CONDUCTED BY MS. BASS:

16 Q. Good morning, Professor Elhauge.

17 My name is Ashley Bass and I represent
18 Intuitive Surgical in this matter. Can you
19 state your full name for the record?

20 A. Good morning to you as well. My
21 full name is Einer Richard Elhauge.

22 Q. Will it work today if I refer to
23 you as Professor Elhauge?

13 really worse or better whether the market
14 perceptions were accurate or not. That was the
15 response that I intended to have. So that that
16 price response alone means that there would
17 have been a price cut in the but for world that
18 would have broadly benefitted Intuitive's
19 customers.

20 Q. What evidence is in the record
21 that Intuitive thought that the third-party
22 rivals provided EndoWrist that were just as
23 good as new EndoWrists?

24 A. . I can't off the top of my head
25 say which in the report it is but there is a

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2 quote where they looked at the repaireds and
3 often said it was -- it appeared to be I can't
4 remember exactly what the language was, but it
5 indicated in substance it looking like it was
6 just as good. And for refurbished ones in
7 general they went further and said they were
8 just as good or better.
9 Q. And that is in reference to
10 potential Intuitive refurbished he EndoWrist,
11 correct?

12 A. The latter quote, yes. There was

13 another one I noticed reviewing in my reports

14 where they were talking directly about the

15 repaired EndoWrists and concluded in substance

16 they were just as good.

17 Q. If we come across that in the

18 course of the questioning today, can you point

19 that document out to me when you discuss it in

20 your report?

21 A. Sure.

22 Q. Is it relevant to your opinion

23 whether the EndoWrist sold by third-parties are

24 as safe as new EndoWrists?

25 MR. SNYDER: Objection to the form.

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2 A. I would say for my predictions

3 about what would happen what matters is the

4 market perception, the evidence indicates that

5 the perception of market participants was that

6 they were as safe and there is evidence to

7 support that that indicates if anything they

8 were in fact safer. None of my opinions

9 depends upon my own opinion about whether they

10 are safer or not. I'm not making a medical

11 other engineering opinion about that. I'm

12 basing my predictions upon market perceptions.

13 And then to the extent that we get
14 to procompetitive justifications, that's more
15 about the defense expert argument that the
16 perceptions of the participants were wrong. He
17 is saying and in fact he says concludes that
18 the repaired EndoWrists were less safe. On
19 that point I'm simply pointing out that there
20 is a lot of evidence that he ignored that
21 indicates that they were as safe, but
22 ultimately the burden of proof is on the
23 defense on that issue.

24 So all I do is point out what the
25 evidence is on that, but my opinions are

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2 ultimately rest on that conclusion because even
3 if you thought there was some safety concerns
4 we could rely on the incentives of hospitals to
5 only use a repaired EndoWrist if they thought
6 they were safety justified.

7 Q. So is it relevant to your opinions
8 whether hospital viewed EndoWrist sold by
9 third-parties is the same as new EndoWrists?

10 A. Yes, yes. I do cite in reliant

11 part on evidence from the hospitals that they
12 didn't discern any difference between the
13 repaired EndoWrist and the new EndoWrists. And
14 found them to be as safe.

15 Q. You cite evidence from certain
16 hospitals; correct?

17 A. There are a number of hospitals.
18 Also there is statistical evidence some of them
19 relying upon reviewing at least one that I can
20 recall rely on their view of the numbers. There
21 is also I think statistics themselves on
22 adverse events and there is also evidence that
23 the hospitals asked Intuitive whether they had
24 any evidence that their viable product were
25 less safe and Intuitive was unable to produce

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2 such a document.

3 Q. Is it relevant to your opinion
4 whether doctors viewed EndoWrists sold by
5 third-parties as the same as Intuitive's
6 EndoWrist?

7 A. Yes, I rely on evidence that they
8 in fact did.

9 Q. From certain doctors, correct?

10 A. Well the doctors that actually

6 that I used would 20 percent for the mix of new
7 and used EndoWrists and also that as part of
8 the extended use program they lowered the per
9 use price for certain categories of EndoWrists
10 because of competitive pressure was one of the
11 reasons that they cited for why they did that.

12 Q. Was that competitive pressure that
13 they indicates was from the third-parties?

14 A. The documents themselves don't
15 explicitly say that, but the timing I think
16 makes it clear that it must have been that and
17 that Dr. Smith's alternative hypothesis that
18 involves competition with laparoscopic surgery
19 doesn't make much sense because laparoscopic
20 surgery had been around for decades before and
21 also was declining over the proceeding years
22 before they introduce the extended use program.

23 Q. But the documents do explicitly
24 reference laparoscopic surgery, correct?

25 MR. SNYDER: Objection.

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2 A. It generally talks about
3 competitive pressure was any recollection.

4 Q. Do you recall what the total sales
5 were of the third-party resettle EndoWrists in

6 the actual world?

7 A. Total sales by the rival

8 repairers, I don't have that number memorized

9 off hand, no.

10 Q. Do you know if more or less than a

11 million dollars?

12 A. I don't know the number offhand.

13 I guess the percentage I calculated in market

14 share, so it must be in the backup there, but I

15 can't recall.

16 Q. Is it relevant to your opinion

17 whether hospitals viewed EndoWrist sold by

18 third-parties as being the same as Intuitive's

19 EndoWrists and my question there is we talked

20 about doctors and my I want to talk about

21 hospitals as well?

22 A. Yes, I think the he had indicate

23 that they did think that they yes just as good.

24 All the evidence seems consistent with that

25 that I saw and we have the revealed preference

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2 the fact that they -- many of them in fact did

3 use third-party repaired EndoWrists repaired

4 even with the restraints on their choices.

Q. You use the term many being do you

know how many hospitals used services from the
third-party companies?

A. I don't have the number of

hospitals offhand. But it would be all the

customers of SIS, Restore and Robotix. Over

the years when they were it in the market which

I think were 2018 to 2021.

Q. Do you recall how many third-party

EndoWrists were sold to hospitals during that

time period?

A. I don't know that number.

Q. You discuss a little bit today you

think the record reflects that the instruments

sold by the third-parties were just as good as

new instruments. Are you relying on any expert

testimony in the case to reach that opinion?

A. So my opinion again to be precise

is that the evidence indicates that market

participants thought they were just as good.

Which is relevant factor my market analysis as

an economist. I also conclude that the

evidence was consistent with that view. There

is lot of evidence to support it but there is

5 conflicting testimony by expert witnesses or
6 defense expects take one side and Plaintiffs
7 experts take the other side.

8 I cite what they say, but the
9 evidence of the Plaintiffs' expert offer and
10 what the defense experts offer I myself do not
11 ultimately resolve that issue, because that is
12 in their field of expertise, not mine. For me
13 it suffices what the market participants
14 thought and that whether you thought they were
15 just as good or not the rest of my opinions
16 would hold, but there is a lot of evidence it
17 seems to me to indicate they were just as good
18 if not better.

19 Q. You're not relying on any opinion
20 testimony for example for Dr. Parnell on this
21 point; is that correct?

22 MR. SNYDER: Objection to the form.

23 A. I do cite Dr. Parnell for various
24 points. To the extent there is conflict
25 between his views and the views of the defense

4 they all indicated that the perception was that

5 they were just as good if not better.

6 Q. Who said if not better?

7 A. Well, if not better was I think

8 Intuitive itself said about its refurbished

9 EndoWrists and I think also evidence indicated

10 by Dr. Parnell that in fact the repaired

11 EndoWrists were more reliable than new row

12 EndoWrists and that consistent with statistics

13 that indicate there is more adverse events

14 associated with the new EndoWrists and in fact

15 none that I could find associated with the

16 repaired EndoWrists.

17 Q. So is it your understanding that

18 Dr. Parnell is offering an opinion in this case

19 regarding the relative adverse events between

20 third-party EndoWrists and new EndoWrists?

21 MR. SNYDER: Objection to the form.

22 A. I think there are numbers that he

23 cites that I quote in my rebuttal report that

24 would support that conclusion.

25 Q. Other than Dr. Parnell, is there

3 notion that third-party EndoWrists were better
4 than new EndoWrists?

5 A. Well, it is hard to remember
6 everything in 400 pages of reports here. But
7 there is statistics that there is less adverse
8 events, there is Dr. Parnell's testimony which
9 -- also just the description of the process
10 that there is huge amount of testing that to
11 make sure that the repaired EndoWrists are
12 working probably and Dr. Parnell pointed out
13 that they don't actually do that kind of test
14 for new EndoWrists before they release it. So
15 with that and there are some -- there are some
16 documents that say they are as good or better.

17 Q. During the course of today, if you
18 come across think documents as we are look
19 through your report that EndoWrist reset by
20 third-party are better, I would like if you to
21 point that out?

22 A. Okay.

23 Q. You said in your prior there was a
24 huge amount of testing that was done on the
25 third-party sold EndoWrists, what is your basis

3 A. So what I quote in my report I
4 think it is in the section on the safety
5 justifications claimed by the Defendant. By
6 test I should be careful, I'm not saying that
7 Intuitive ever tested whether the third-party
8 devices were safe. In fact remarkably they
9 never tested before they imposed these
10 restraints. I'm saying the third-party
11 companies themselves tested the particular
12 instruments they were working on to make sure
13 everything worked beforehand and also put them
14 through their paces to make sure they worked
15 after all the repairs. And that is describe in
16 some details. I have a couple of very long
17 footnotes and also Dr. Parnell goes through
18 that process in some detail and I cite in the
19 procompetitive justification section of my
20 report exactly where Dr. Parnell goes through
21 that.

22 Q. Did you review those testing
23 materials that you're referencing?

24 A. Review the testing materials?

25 Q. Yes.

2 A. I'm not sure what you mean by

3 testing materials.

4 Q. Did you review any tests that were

5 conducted by the third-parties regarding the

6 EndoWrists that they sold?

7 A. I reviewed their -- the process,

8 the testimony was about a description of the

9 process that they used to test it. So that

10 what I'm talking about, they did all of these

11 tests to make sure that it in fact would work.

12 And it was interesting that Dr. Parnell pointed

13 out that they actually don't do all that

14 testing for new EndoWrists which seems

15 consistent with statistics that actually the

16 new EndoWrist have more adverse events

17 associate with them then the repaired

18 EndoWrists.

19 Q. Do you consider yourself an expert

20 on assessing the reasonableness of the testing

21 that was conducted by the third-parties to

22 ensure the safety and reliability of their

23 product?

24 A. No, I'm not an engineering expert.

25 I'm simply responding to Dr. Smith who his

2 opinion that they were less safe was based on
3 the erroneous assumption they didn't do any
4 such testing to make sure that the products
5 worked well. And so in part of rebutting him I
6 point out there is all of this evidence. But
7 I'm not an engineering expert so I'm not
8 opining on issue of engineering.

9 Q. Are you aware of who Dr. Howe is?

10 A. Yes.

11 Q. Who is Dr. Howe?

12 A. He is the defense expert in this
13 case.

14 Q. He is a mechanical engineer,
15 correct?

16 A. Yes, I believe so.

17 Q. Did you review his expert report?

18 A. I did, yes.

19 Q. Are you aware that he disagrees
20 with Dr. Parnell regarding adequacy of the test
21 that was conducted by, for example, Robotix for
22 its product?

23 A. Yes, I reviewed that and I discuss
24 it in my rebuttal report. I think Dr. Parnell
25 pointed out that Dr. Howe in fact had he said

25 Q. You don't consider yourself of FDA

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2 regulations, correct?

3 A. Correct.

4 Q. You're not a FDA expert, correct?

5 A. Yes.

6 Q. You never worked at FDA?

7 A. I have not.

8 Q. You have no specialized expertise

9 in analyzing FDA regulations correct?

10 A. Credit.

11 Q. You have no experience applying

12 FDA regulations to medical devices; correct?

13 A. Well, in my role as a health well

14 policy professor I have examined certain issues

15 regarding FDA regulation of medical devices.

16 But I'm not offering any opinions in this case

17 as a regulatory expert.

18 Q. Are you offering any opinions in

19 this case as to whether FDA -- sorry -- let me

20 start over.

21 Are you offering an opinions in

22 this case as to whether FDA clearance was

23 required for the instruments sold by the

24 third-parties?

25 MR. SNYDER: Objection to the form.

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2 A. No, I note the conflict an opinion
3 among the experts, Plaintiff expert versus
4 defense expert view whether it is actually
5 required. As I indicated in my report and in
6 my testimony just now I'm relying on the market
7 participants perception about whether it was
8 required which is all that matters for the
9 market effects that I'm opining on.

10 Q. Are you offering any opinion if
11 FDA clearance was required how long it would
12 have taken companies to accomplish that in the
13 but for world?

14 A. I'm opining that they could have
15 achieved it earlier in the but for world and
16 would have had incentive to do so. I don't
17 opine on particular dates in which they would
18 have obtained that FDA clearance.

19 Q. So you're opining that they would
20 have an incentive to seek FDA clearance earlier
21 if FDA clearance was required, is that right?

22 A. No, I'm staying if there weren't
23 the restraints they would have had incentives

24 to apply for FDA clearance earlier. They would
25 have entered the market anywhere given the

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2 evidence that market participants were not shy
3 about entering the market without advance FDA
4 clearance, but they would have had incentives
5 to apply for FDA clearance from the get go
6 before EndoWrist repairs.

7 I guess I'm relying on the fact
8 that the service, I'm relying on the fact that
9 there seems to be a consensus among the
10 regulatory experts for the Plaintiffs and
11 Defendants that no FDA clearance was required
12 to provide the service.

13 Q. Are you an offering in expert that
14 if FDA clearance was required in the but for
15 world not only would these companies have had
16 the incentive to seek it, that the companies
17 would have received FDA clearance?

18 A. Yes, I think the evidence indicate
19 the they would have. The one firm to pursue it
20 contained the 510(K) FDA clearance.

21 Q. You understand that that was
22 clearance for one instrument, correct?

21 where -- whichever the rival was that was
22 prying to process it, said there was all kinds
23 of crazy testing and crazing questions --
24 questions that may no sense I think was the
25 lapsing that he used that made him think that

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2 perhaps Intuitive was interfering with the
3 process. So in that deposition maybe there was
4 e-mails that were exhibits to that deposition,
5 but I'm not recalling them offhand.

6 Q. We will get to that in a minute,
7 that is again about Iconocare. Did you review
8 any correspondence that the FDA September to
9 Robotix regarding the FDA's per seed
10 deficiencies in Robotix's application to the
11 FDA?

12 A. I don't recall anything that I
13 characterize as about the perceived
14 deficiencies.

15 Q. Do you understand that Robotix did
16 not achieve clearance on any of its instruments
17 from the FDA; correct?

18 A. My understanding there hasn't been
19 a decision a that clearance is even required

and it has no adverse decision that had been

reached as to any Robotix instrument.

Q. Are you offering an expert opinion as to whether or not Robotix can lawfully sell its products without FDA clearance?

A. No, as I said I'm not opining on

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the regulatory expert question. I'm opining on what market participants perceived to be the case and their willingness to enter in advance of receiving a decision on FDA clearance and the likelihood that they would apply earlier for it in the but for world.

Q. One point just to follow up on earlier you said there were many hospitals that were willing to purchase the products sold by the third-parties without FDA clearance and I think we talked about that earlier, do you know the number of hospitals that were willing to purchase?

MR. SNYDER: Objection to the form.

A. I don't recall the number offhand, but I'm sure you could find it from the back up. Whoever the customers are of these third-party repair parties.

20 Q. Do you review testimony from
21 market participants that indicated that they
22 would not be willing to use instruments from
23 third-parties that did not have FDA clearance?

24 A. There was that testimony that I
25 just heard that they would be. So there was

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2 some testimony that suggested the abstract,
3 they wouldn't want to deal with something that
4 didn't have FDA clearance. But that of course
5 the way the question was asked assumed that FDA
6 clearance was in fact required. Which begs the
7 case of this question about whether or not they
8 would not use a product or service before any
9 decision had been made about whether FDA was
10 required or not.

11 Q. So radio he view in testimony from
12 hospital that indicate they would not be
13 willing to use EndoWrist from the third-parties
14 unless those entities received FDA clearance?

15 A. All the stuff that Dr. Smith cite
16 to support that I reviewed and discussed in my
17 rebuttal report report. As I said before I
18 think there was some that sort of abstractly

10 been able to achieve FDA clearance and to
11 achieve it earlier and that they would have
12 operated in the meantime before obtaining FDA
13 clearance.

14 Q. So currently only one instrument
15 has received FDA clearance by the
16 third-parties, correct?

17 A. Correct.

18 Q. So what is the basis of your
19 opinion that the third-parties would of
20 received FDA clearance on other instruments?

21 A. I didn't see any evidence to
22 indicate that that there was -- I mean if you
23 could validate your process for one instrument
24 it seemed to me that you could validate your
25 process for other instruments as well. I

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2 didn't see anything to indicate that
3 differences among the instruments would affect
4 the ability to get 510(K) clearance.

5 Q. I think he we established this
6 earlier you're not an expert on when the FDA
7 grants 510(K) clearance, correct?

8 A. I am not.

9 Q. Have you reviewed any information

10 that would be submitted to FDA with respect to
11 instruments other than the one that that has
12 received 510(K) clearance?

13 A. I haven't, I'm just relying on the
14 general testimony and evidence from the parties
15 that they were willing to apply for all of it
16 and I didn't see any signs that they -- there
17 was a thought there was going to be a
18 difference.

19 Q. Robotix applied for FDA clearance
20 but then withdrew its application shall
21 correct?

22 A. I don't have any recollection of
23 that.

24 Q. It we were discussing earlier that
25 Robotix had interactions with the FDA, correct?

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2 A. Yes.

3 Q. Do you think that have the
4 expertise to opine that if one EndoWrist from
5 the third-parties has received clearance from
6 the FDA that necessary the FDA would issue
7 clearances for all other Si and Xi EndoWrists
8 from the third-parties?

25 Q. No one has -- none of the

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2 third-parties have sold an X/Xi instrument

3 where the usage counter has been reset?

4 A. I think that is correct, yes.

5 Q. You understand that the

6 third-parties did sell certain EndoWrists where

7 the usage counter had been reset for S/Si

8 instruments, correct?

9 MR. SNYDER: Objection to the form,

10 I don't think they sold the instrument, I

11 think they sewed the repairs to the

12 instruments. I don't think they physically

13 tea took possession of the S/Sis and resold

14 them. I think that is what the repair was.

15 Q. So you you understand that the

16 activities of the third-parties involved

17 modifying the usage counter on S/Si

18 instruments; is that right?

19 A. That is one of the activities they

20 engaged in, yes.

21 Q. Do you consider yourself to be an

22 expert on the technical and the of the

23 third-parties to develop a process to modify

24 the usage counter for X/Xi instruments?

25 A. I'm not a technical expert. I

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2 side evidence to indicate they thought they
3 could and had in fact say they have developed a
4 method for doing so even though it is not
5 commercially available yet. So I think that's
6 all evidence -- at in the end all I say enough
7 evidence to make it a reasonable scenario to
8 check for damages and I leave resolution of
9 that issue to the factfinder yes.

10 Q. You're not an expert on the
11 encryption of the X/Xi devices correct?

12 A. I myself am not an expert on that
13 topic. I'm relying on evidence from the
14 parties that indicate that they thought that
15 they could and in fact overcome the issue and I
16 believe there is also an engineering expert who
17 I believe his name is Humphrey who gave
18 testimony that it is just a matter of time it
19 could have been done any time in the last five
20 years if I recall correctly.

21 Q. Are you relying on Mr. Humphrey
22 for your opinions regard whether X/Xi reset
23 instruments would have been available in the

24 but for world?

25 A. I'm relying on him for the notion

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2 that there is sufficient evidence they could

3 have done so in the but for world to make it

4 reasonable to calculate damages based on that

5 scenario. As he said in paragraph 417 I say

6 that but I also make clear clear that aim moot

7 offering a PowerPoint that rivals definitely

8 would have developed an ability to repair X/Xi

9 EndoWrist models in the but for world. So I

10 model both the scenario where they would have

11 been able and where they won have been able to.

12 I merely include Mr. Hum free's analysis among

13 many other pieces of evidence that suggests

14 that they would have been able to do so. But I

15 leave ultimately the fact actual us resolution

16 to that and believe Mr. Humphrey testimony to

17 the factfinder.

18 Q. Mr. Humphrey is not an expert in

19 this case; correct?

20 A. No, he is an expert in the SIS

21 case.

22 Q. You reviewed Mr. Humphrey's expert

20 testified maybe third, fourth quarter of 2023,

21 do you recall that testimony?

22 A. I do not.

23 Q. What is your opinion as to why

24 that date would have been earlier in the but

25 for world if they even made that date?

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2 A. Because they would have invested

3 more in developing the ability to do so if they

4 didn't have the restraints. They entered with

5 the easiest one, the S/Si repairs. And they

6 were totally driven out of the market.

7 Intuitive's enforcement of its restraints was

8 extremely successful and worked with every

9 single hospital. So it would have been futile

10 to spend a lot of money to develop this in a

11 world with restraints. But without the

12 restraints there is lot of money to be made,

13 hundreds of millions of dollars according to

14 estimates of some of the IRCs. So there would

15 have been a lot more incentive to invest

16 earlier to develop this technology.

17 Q. How much money do they need to

18 develop the technology?

19 A. I don't know exactly how much they
20 need to develop it. But one of them I guess
21 already has developed it.

22 Q. If Restore needs more money to
23 develop the technology, what are they going to
24 use the money for?

25 A. What are they going to use the mop

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2 for?

3 Q. Yes.

4 A. To develop the technology. I'm
5 not sure that I understand the question.

6 Q. My question to you is what is your
7 understanding of what they need to do in order
8 to develop the technology are what will they
9 use the money for?

10 A. I'm not a technical expert. What
11 technically they need to do. Just that Robotix
12 was able to do it so it is not a insuperable
13 task. And that they express great confidence
14 that they would be able to do so. As say the
15 only rethey haven't don't so for because it is
16 futile until they get some relief from the
17 Intuitive blocks.

18 Q. So your testimony the only reason

19 that resort hasn't developed X/Xi reset process
20 so far is because it is futile?
21 A. I think there is evidence to
22 indicate that's the case of the that that they
23 would have in the but for world. Again as I
24 explicit here many times and paragraph 417, I'm
25 not offering an opinion that they definitely

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2 would have done so. I'm leaving resolution of
3 that dispute to the factfinder I simply say
4 there is all of this evidence to indicate they
5 could have. Makes are that makes a reasonable
6 to calculate damage under consider scenario
7 where they would have.
8 Q. Did you speak to anyone at Restore
9 to know what the status was of their ability to
10 develop a process to reset X/Xi EndoWrist?

11 A. I have not.

12 Q. Do you know if they are actively
13 work on attempt to develop a process to reset
14 X/Xi instruments?

15 A. I do not.

16 Q. And X/Xi instruments entered the
17 marketplace in 2014, correct?

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2 2017?

3 A. Well for Restore as paragraph 409

4 A notes they testified that the business was

5 delayed because they were counting on revenue

6 to grow their business. So you have direct

7 testimony from them that the challenged

8 restraints delayed their entry and I also cite

9 to paragraph 163 of my original report.

10 Q. Apologies, what paragraph did you

11 say you're referencing?

12 A. 163 in the initial corrected

13 report.

14 Q. But what was original one that you

15 were saying, was it in your reply report?

16 A. In the rebuttal report, yes, in

17 paragraph 409 A I reference a fact that there

18 is a lots economic inference but confirmed by

19 the fact there is testimony from these

20 third-party repair companies that the challenge

21 restraints delayed their entry. And in support

22 of that I note that May from Restore said that

23 the restraints were delaying the their growing

24 of their business and particularly develop the

25 Xi.

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2 And in paragraph 163 I note
3 other evidence to that same affect that they
4 were planning to offer the full range of S/Si
5 and X/Xi instruments if they didn't have these
6 restraints.

7 And then in paragraph 409 E
8 I note that they became interested really when
9 they heard about this possibility from Robotix,
10 but obviously if Robotix and Stryker had
11 entered earlier they would have heard about
12 this earlier that is just likely they would
13 have entered earlier.

14 Q. You understand to Restore didn't
15 exist as a company until 2018?

16 MR. SNYDER: Objection to the form.

17 A. I don't know in this particular
18 incarnation or name, but there was a predecessor
19 business as I recall.

20 Q. What about SIS, what evidence are
21 you relying on for the notion that SIS would
22 have entered in May of 2017?

23 A. In addition to just economics
24 incentives that are rational, they did testify
25 that although they learned about it from

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2 Robotix if they would have been interested in
3 entering in 2016 if they just heard about the
4 opportunity then. So there been entry SIS
5 would have been interested and would have heard
6 about it and then they would have been
7 interested in entering earlier.

8 Q. So you're evidence is that SIS
9 would have entered in May of 2017 is that they
10 would have been interested in doing so earlier
11 if they had heard about it earlier?

12 A. Yes. And also that they
13 themselves estimated that they could make 250
14 to 350 million a year from entering. So they
15 would have had plenty of opportunity to do so.
16 Plenty of incentive I should say to do so.

17 Q. Are you offering the opinion that
18 SIS would entered as distributor or selling its
19 own services?

20 A. I'm offering a particular opinion
21 about which way they could have done so. As I
22 said several times, I'm just saying that one
23 reasonable scenario is that there would have
24 been entry in May, 2017 by one or more of these

25 firms or could be other firms as well. And I'm

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2 leaving that up to the factfinder, but I think
3 there is at least enough evidence from this to
4 think it is reasonable to supposed that it
5 would have happened and thus make it
6 reasonable to calculate damages that would
7 ensue if the factfinder believes or concludes
8 that entry would have occurred by May of 2017.

9 Q. SIS didn't hear about Robotix's
10 EndoWrist business until 2019; is that correct?

11 A. I'm not exactly sure. It could
12 2018, 2019. I'm not positive about the year.

13 Q. When we were talking about Stryker
14 a second ago, do you recall reviewing testimony
15 from Stryker in this case regarding its reasons
16 for not going forward with the deal with
17 Robotix?

18 A. I recall testimony, I can't
19 remember whether it was from Stryker or
20 somebody else about why Stryker didn't go ahead
21 with the deal.

22 Q. Do you recall that there was
23 testimony from Stryker that Stryker's quality
24 system and regulatory count two not let Stryker

22 were feasible. Hospitals had concluded as well
23 that use limits could be raised without
24 compromising functionality. And so therefore
25 20 seemed a conservative low estimate.

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2 And there was also evidence that
3 the actual use limits were arbitrary that were
4 being imposed. That they with weren't really
5 connected to where wear or tear, although not
6 mentioned here, I think I talk about it
7 elsewhere in my report, that Dr. Parnell's
8 opinion points out that the use limits didn't
9 make much sense in terms of wear or tear
10 because the use limit applied whether or not
11 something was torn and even if it was torn you
12 would be within use limit, but also in terms of
13 just wear, if you really want to measure the
14 amount of time that the device was used. And
15 they could have done that and in fact they are
16 tracking the time of usage but that is not what
17 the limit is based upon.

18 So are all reasons why one would
19 think that you would use it more than the
20 actual use limits and that given this evidence

21 summarized in paragraph 450 at least 20 seems

22 conservatively possible.

23 Q. You're not an expert on the safety

24 of EndoWrist, are you?

25 A. I am not a safety expert, no. I'm

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2 relying on the views here of market participants

3 and independent industry analysts.

4 Q. Are you asserting an opinion in

5 this case that Intuitive should have gone about

6 addressing the safety of the EndoWrist in a

7 different way?

8 A. I think there is evidence to

9 indicate that the use limit was not safety,

10 just the ones it shows were not safety

11 justified in fact the he deliberately could the

12 did the not test higher because the use limits

13 were set by the marketing department of

14 Intuitive and this they could have, they

15 acknowledged they could have tested more

16 instruments, they could have tested them

17 further, they could have extended it from these

18 13 Xi's or to all the Xi's to S and Si's and

19 they could have done all of this earlier as

20 well, but they chose not to do so. The only

21 thing they did test, they found that in fact

22 they could raise the use limit.

23 So I think it is reasonable to

24 assume had they tested more and earlier, they

25 would have concluded that they could raise the

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2 use limit on more devices and raised them

3 earlier.

4 Q. So going back to your opinion that

5 use limits might not exist in the but for

6 world, are you opining that Intuitive should

7 have just allowed surgeons to make the decision

8 as to when to stop using an EndoWrist?

9 A. I'm not offering an opinion about

10 what they normatively should do. I'm saying

11 that one of the challenges in this case is to

12 the use limits themselves. So if the

13 factfinder agrees with that challenge that the

14 use limits did not have an procompetitive

15 justification to offset the anticompetitive

16 effect and that they were unlawful as a result,

17 then by definition the but for world does not

18 include unlawful activity. So there would be

19 no use limits in the but for world and in that

18 is?

19 A. Do I recall what it is?

20 Q. Yes.

21 A. It's a document that says

22 paragraph 360 to 361 of my original report. I

23 can't remember the Bates number.

24 Q. In what context was that statement

25 made?

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2 A. I don't recallment document is

3 cited in footnote 863 of my initial report.

4 Q. Do you recall reviewing any

5 testimony in the case regarding the document

6 that you cited?

7 A. I do not recall, no.

8 MS. BASS: I think we are up to

9 exhibit 295. Is that right.

10 MR. SNYDER: It sounds the right.

11 MS. BASS: I could like to

12 introduce tab 125 as Exhibit 295.

13 (^ Exname ^ Exhibit for

14 identification, .)

15 MS. BASS: For the record Exhibit

16 2945 IS a document Bates numbered

17 Intuitive-01190868.

18 Q. Professor Elhauge, this is a
19 document that you're citing when you say that
20 Intuitive did an internal analysis indicating
21 that it could safely -- sorry let me reread the
22 sentence to make sure I get it right.

23 "Intuitive's analysis even
24 contemplated use limits of 40 to 100."

25 A. I'm just getting the document.

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2 Exhibit 295. Yes.

3 Q. So what is this document?

4 A. It's a document about strategic
5 pricing and what challenges they face and how
6 what questions they need to answer in order to
7 figure out how to set their strategic pricing.

8 Q. Do you know who authored the
9 document?

10 A. I don't know.

11 Q. As I mention earlier do you recall
12 if you read any testimony in the case about the
13 document?

14 A. I don't recall.

15 Q. So you're referencing the line
16 here where it says "EU I of 40 to 100 lives

17 would require a chain in how we sell/manage
18 instruments." Is that right?

19 A. That and further down under the
20 details questions question 2 they say "how we
21 would incorporate consignment of the
22 instruments into AMP if EUI have 40 to 100
23 lives."

24 Q. So is this, you think this is
25 evidence that Intuitive believed that it could

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2 extend the lives of its products to 40 to 100?

3 A. I said they are thinking that
4 that's a possibility. My conservative
5 assumption is at least 20. But I think if in
6 your internal analysis you take them seriously
7 the possibility of that use could be extended
8 to 40 to 100, that does support the assumption
9 that is it quite conservative they could
10 increase it to at least 20.

11 Q. But you have no idea what context
12 what this document was created in, correct?

13 A. I think on its own it pretty
14 clearly indicates that it is a strategic
15 pricing document and they're thinking about the
16 impact of more uss on the product.

17 So, I think that's enough to make
18 it useful for the conclusion that I'm trying
19 drawing from it.

20 Q. Is do you know if the person who
21 drafted a document called strategic pricing had
22 any input from Intuitive's regulatory or
23 technical staff as to whether such lives would
24 even be possible?

25 A. I don't know they asked those

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2 people or not.

3 Q. We talked about Deutsche Bank
4 earlier, do you consider Deutsche Bank to be a
5 authoritative source as to how many uses would
6 be feasible of an EndoWrist?

7 A. I think they are, as I said
8 before, a good pragmatic independent analyst.
9 They are just trying to make judgements where
10 investments should be made based upon what they
11 think is possible. So they would investigate
12 the issue and they could be a good neutral
13 assessor of what from a business perspective
14 people would have thought was possible at the
15 time.

16 Q. Do you know if the information in
17 the Deutsche Bank report would have come from
18 the third-parties?

19 A. The information -- whether that --
20 where they got it from?

21 Q. Let me back up I will ask a more
22 precise question. You say "Other sources like
23 Robotix and Deutsche Bank have indicated that
24 29 to 59 uses was feasible." I'm asking you if
25 you know where the 29 to 59 uses in the

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2 Deutsche Bank report would have come from?

3 A. 29 to 59 I thought was the Robotix
4 figure.

5 Q. I'm quoting from are paragraph 450

6 B. In your rebuttal report.

7 A. 450 B.

8 Q. Your rebuttal report paragraph 450
9 subsection B as in boy.

10 A. Yes, but other source look Robotix
11 and Deutsche Bank indicate this whole range
12 being if you actually look at paragraph 301 in
13 the same report it separates them out rather
14 than putting them together and I point out that
15 Robotix found 59 uses was feasible where as

16 Deutsche Bank found that 39 to 48 uses were
17 feasible. When I put them together I say 29 to
18 59 because Deutsche Bank range is within the
19 Robotix range. But Deutsche Bank actually
20 found a more narrow of 39 to 48 uses was
21 feasible.

22 Q. A.m. asking you do you have a
23 understand where that information would have
24 come from from Deutsche Bank?

25 A. I don't know where they got the

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2 information from.

3 Q. I think we covered this earlier
4 but just to confirm. You're not offering any
5 sort of opinions in this case about the safety
6 and reliability of medical devices, correct?

7 A. Well the opinions I'm offering are
8 limited I think to what the market perception
9 was about whether these repaired devices were
10 safe and whether the use limits were necessary.
11 So market perception and to the extent that the
12 defense economics expert is getting into the
13 issue by claiming that the evidence shows one
14 thing, I do point out there is lot of evidence

15 that the defense expert is ignoring on the
16 topic.

17 I don't resolve the issue, but I
18 am offering the critique that if the economic
19 experts are going to be resolving safety issues
20 that the defense expert has ignored a lot of
21 evidence on the safety issue. But with those
22 exceptions otherwise, I leave it up to the
23 factfinder to conclude whether or not they were
24 safe or not.

25 Q. You've never designed a safety

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2 program for a medical device, correct?

3 A. Correct.

4 Q. Did you review the testing
5 materials for Intuitive's S/Si instruments?

6 A. The safety materials, what do you
7 mean by that?

8 Q. The safety testing materials, all
9 the testing that Intuitive did to ensure the
10 safety of S/Si instruments?

11 A. I looked at some of the safety, I
12 don't know whether he saw all the safety
13 testing information. But I look at some of it
14 to extent that it is cited in my report.

7 the but for rival shares in part influenced by
8 the price that Intuitive would pick. And so
9 I'm just conservatively concluding, well,
10 there would have been at least a 20 percent
11 price cut based on Intuitive's own assessment
12 of the rival competitive threat.

13 Q. Assume in the but for world that
14 the demand for reset EndoWrist in these
15 third-party was only equivalent to \$2 million,
16 there is no more from from hospitals no no more
17 doing it beyond the 2 million dollars. Are you
18 offering the opinion that Intuitive still would
19 have cut its prices to EndoWrist by 20 percent
20 across the but for world?

21 A. I don't know I don't have any
22 evidence to support that assumes. But again I
23 don't think you can except from the time out
24 from what their price would have been of the it
25 seems to me that the evidence indicates not

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2 only there was a lot more interest in the rival
3 product, but Intuitive must have thought there
4 was more interest in the product because they
5 themselves planned to respond to it with a 20

6 percent price cut.

7 Q. I want you to assume for me in the
8 but for world there is very limited interest
9 from hospitals in using EndoWrist from the
10 third-parties. Again, the maximum amount that
11 would be purchased from the third-parties is
12 \$2 million. Every knows it including
13 Intuitive?

14 A. So it is capped for some reason?

15 Q. Yes. If that were the case and
16 the third-parties only garnered that limited
17 amount of sales, do you believe that Intuitive
18 would have lowered its price across the but
19 for world by 20 percent?

20 MR. SNYDER: Objection.

21 A. I think hypothetical is
22 inconsistent at the time with all the facts in
23 the case including Intuitive's own analysis if
24 you're going to high policies there is some
25 sort of cap what rivals can sell, then

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2 Intuitive would not incentive to lower the
3 price by 20 percent.

4 A. If the cap is no more than
5 \$2 million in sales in the market.

6 Q. You mentioned this earlier, I
7 think you're using the Project Dragon document
8 as a basis for your asserted 20 percent price
9 discount; is that right?

10 A. Yes.

11 Q. Just so to make sure that I have
12 your assumptions correct, you're assuming in
13 the but for world that you're 20 periods of
14 time price reduction would apply to both Si and
15 Xi instruments; is that right?

16 A. Well I have alternative scenarios.
17 So I present both to the factfinder. I think
18 it is between I think they would have lowered
19 them across both.

20 Q. So the for Project Dragon the 20
21 percent number that you point to do you have a
22 understanding of whether the discount would
23 have applied for example like a in all
24 geographic territories, was it worldwide, what
25 was Intuitive contemplating?

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2 A. They have a very firm what they
3 wall a one tries strategy, they over offer one
4 price through the United States for EndoWrist

5 they could have offered the same pry throughout

6 United States.

7 Q. Foreman Project Dragon were they
8 considering implementing it in foreign
9 countries, in the U.S., what was geographic
10 reasonable of Project Dragon?

11 A. I think were contemplating doing
12 in both U.S. and Europe if I recall correctly
13 at least within the United States.

14 Q. Is the 20 percent number that
15 you're pointing to, is it your understanding
16 that that that would have been a worldwide
17 discount across the but for world?

18 A. I think it would have at least
19 been the U.S. discount. I'm not sure whether
20 they charged the same price in foreign
21 countries or not.

22 Q. Did you see any document indicates
23 that Intuitive was not contemplating a 20
24 percent price reduction in the U.S.?

25 A. No.

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2 Q. So if you could look at your
3 opening report at 394, please.

4 A. Okay.

5 Q. So about halfway down in that
6 paragraph you say "Indeed in May, 2017 when
7 Intuitive considered competitive responses to
8 the expected entry of rivalry repaired EndoWrists
9 in the actual world even with the advantages of
10 it's restraints, Intuitive internally proposed
11 offering repaired EndoWrists at a discount of
12 25 to 40 percent off the actual price it
13 offered new EndoWrists." Do you see that?

14 A. Yes.

15 Q. So that is in May of of 2017,
16 correct?

17 A. Yes.

18 Q. If you look a little bit further
19 over on paragraph 396 here you say in response
20 to expected rival repair competition, Intuitive
21 made another proposal to offer even with a
22 challenged restate goes a mix knew and repaired
23 EndoWrists at a 20 percent discount from its
24 price of new EndoWrists." Do you see that?

25 A. Yes.

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2 Q. Then you cite to the footnote 946
3 where you cite Scoville Exhibit 1. Is that

4 right?

5 A. Yes as well as there is another
6 document.

7 Q. Yes. So we have already
8 introduced Scoville Exhibit 1 today as
9 Exhibit 293. So could you take a look at that.
10 Do you have that one up?

11 A. Yes.

12 Q. So you can see from the front of
13 this it says Instrument Refurbishing Project
14 Dragon July 12th, 2017; correct?

15 A. I don't see the date, where do you
16 see the day.

17 Q. Are you on Exhibit 293?

18 A. Yes. The first page being okay,
19 yes, okay it says July 12th, 2017.

20 Q. So, you will recall that the first
21 document that you mentioned was the 25 to 40
22 percent number was in May of 2017, correct?

23 A. Yes.

24 Q. Now, we move forward a few months
25 to July of 2017; correct?

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2 A. Yes.

3 Q. Is it your understanding I think I

4 said that earlier that the 20 percent discount
5 that you're contemplating would have been
6 provided kind of across the but for world to
7 all customers?

8 A. Yes.

9 Q. I think you cited to page 185 of
10 the document, Bates number 185?

11 A. That is one of the pages, yes.

12 Q. Let's go to that page of the in
13 the note here it says 20 percent discount is
14 proposed, do you see that?

15 A. Yes.

16 Q. Turn to the next page the title
17 here is a niche boutique refurbishing program.
18 Did you take this title into account when
19 considering that the discount that you think
20 would have been offered through medical device
21 would apply for all customers?

22 A. I took a the whole document into
23 accountment I don't think this indicates I
24 wouldn't have applied it to any hospital that
25 wanted to buy under it.

3 what miss Scoville meant in this document when
4 she said that it was a niche boutique
5 refurbishing program?

6 A. I'm not what those phrases mean in
7 this context.

8 Q. But you assumed that the
9 refurbished instruments would have been
10 available under the program to all purchases at
11 a discount being correct?

12 A. I thought compared to the 25, 40
13 percent did he say you count this was a more
14 conservative one to use so I used this one.

15 Q. You said you took the whole
16 document into account in reaching your
17 conclusions; correct?

18 A. Yes.

19 Q. Can you turn to document with the
20 Bates number ending in the same document, 201,
21 please.

22 A. Okay.

23 Q. So this slides regional marketing
24 and sales strategies, do you see that?

25 A. Yes.

3 Germany, France, and the U.S., do you see that?

4 A. I have to expand it so I can see

5 it.

6 MR. SNYDER: It is very small on

7 mine.

8 A. Okay, yes, Germany, France and

9 U.S.

10 Q. You see there is a row on the left

11 that says discount. Do you see that?

12 A. Yes.

13 Q. You see it says Germany 20

14 percent, correct?

15 A. Yes.

16 Q. And you see it says France 20

17 percent, correct?

18 A. Yes.

19 Q. Under U.S. it does not say 20

20 percent, does it?

21 A. No it doesn't say 20 percent, no.

22 Q. It says enterprise solutions will

23 vary, correct?

24 A. Yes.

25 Q. It says at the time the top here

2 measure to me.

3 Q. You understand that this
4 document is later in time than the document
5 that you just referenced, correct?

6 A. Yes.

7 Q. You understand that the document
8 does not use 20 percent, correct?

9 A. It does use --

10 Q. -- for the U.S.

11 A. It doesn't say it in this
12 particular page that it would be 20 percent.
13 But the thrust of it that's what the overall
14 economic impact is. And I think other parts of
15 the page suggest that I think it is same
16 economic impact. Just on this particular page
17 they are talking about potential user, there
18 are back up slides potentially having a
19 different strategy in the U.S. on the
20 specifics. I don't think that alters the
21 overall thrust of what sort of discount they
22 thought would be appropriate at that time.

23 Q. They could have put 20 percent
24 here, correct?

25 A. They could have, yes.

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Q. And they did not, correct?

A. On that page, they did not. Under the U.S. column.

Q. Do you understand what it means when it says enterprise solutions?

A. I think it means the agreements with different enterprises could vary.

Q. So that means they this weren't contemplate on applying any price across the but for world in the U.S., correct?

MR. SNYDER: Fox.

A. Well, you mean the options here the first one says it is going to be -- they may have a different solution of the flat procedure pricing they may charge per use per procedure rather than charge per EndoWrist and cap the usage.

Q. That is under the volume requirements row, correct?

A. It is all one merged box it seems to me, they merged what was divided up as a volume of premise discounts in the Germany and France in this proposal, the U.S. they just combined it all together. They said instead of

18 using two different points of how to get there?

19 A. Well, in terms of the but for

20 price affect I'm relying on Abbott benchmark.

21 And Abbott as I point out has a mix of

22 contestable and incontestable, so that is

23 another reason why I would apply across the but

24 for world.

25 If we are just talking about, this

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2 goes to the issue of with services do you apply

3 the discount to. So I have two different

4 theories for saying the discount applies to all -- I

5 guess it's three theories, it applies to all

6 the services. One is that the benchmark itself

7 an Abbott benchmark that has contestable and

8 incontestable sales. The other possibilities

9 that even with the Abbott discount only applies

10 to contestable sales. There is a charge for

11 the same service fee for both contestable and

12 incontestable so it would apply across the but

13 for world. And then finally there is a

14 rationale by which the factfinder might

15 conclude that the fact that the technological

16 tie was illegal and therefore all the sales

17 would have been contestable in the but for
18 world.

19 Q. For Abbott you said it had a mix
20 of contestable and incontestable services is
21 that right?

22 A. Yes.

23 Q. What is the incontestable service
24 for Abbott?

25 A. I don't know if it's broken down

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2 what exactly the incontestable services are,
3 but I think I point out there is evidence that
4 for every OEM there are certain things they
5 could do that rivals cannot do. Let me see if
6 he can find exactly where I say that.

7 I point out that Abbott has a mix
8 of contestable and incontestable servicing in
9 paragraph 464 of my rebuttal report.

10 Unfortunately I didn't include the citation to
11 where I said that in my initial report.

12 Q. You doesn't recall what the
13 incontestable services that Abbott can provide?

14 A. No.

15 Q. You said it is not unusual that
16 OEM goes are provide service that third-party

17 Rye party entities cannot, correct?

18 Q. Did you examine the record with
19 respect to how Restore performed with the one
20 customer where it did perform service?

21 A. I'm not sure it's true there is
22 only one customer, so I don't want to agree to
23 that. But I did look at evidence on the
24 quality of service that they provided.

25 Q. What was conclusion?

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2 A. That there no evidence to indicate
3 it was not as good a quality of service within
4 the scope of what they were able to do with
5 without the proprietary software.

6 Q. Let's take a look at tab 75.
7 Which we will mark as the next exhibit.

8 (^ Exname ^ Exhibit for
9 identification, .)

10 Q. I believe it is 296?

11 MR. SNYDER: That's what I have.

12 MS. BASS: For the record this is
13 Intuitive-00008958 and we're marking this
14 as Defendants' Exhibit 286.

15 Q. Feel free to take the time to

13 rival competition, whether it is safe or not.

14 Where as the hospital incentives are only to

15 not use rivals if they are unsafe.

16 Q. Let me kind of go back to one of

17 questions that I asked earlier just to make

18 sure that I understand it.

19 Did you examine the record to

20 understand how Restore performed at Baylor

21 Scott & White. We know they would performed

22 service for Baylor Scott & White, so did you

23 look at the record how things went with that

24 entity?

25 A. I had my staff look at that and I

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2 think the best evidence that we ended up having

3 on that was evidence provided by Dr. Parnell.

4 Q. Again, let's set aside the

5 technological tie claim. Assume the jury don't

6 believe it. You're still offering the opinion

7 that in the but for world that -- let me take a

8 step back.

9 Assuming no technological tie,

10 there is only a limited amount of service that

11 a third-party entity can performed in the but

12 for world, correct?

13 A. Yes.

14 Q. But you're assuming that the fact
15 that the third-party entities could potentially
16 perform service in the but for world would have
17 a price affect across what you call
18 incontestable and contestable service, correct?

19 A. Either there is two vehicles to
20 get to that. One is that it is going to lower
21 contestable sales and the incontestable sales
22 will have the is same price affect because they
23 price the same across them, Intuitive does.

24 The other is that really the 14
25 percent comes from Abbott. And Abbott as an

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2 OEM also has a mixture of contestable and
3 incontestable sales. So that the 14 percent
4 already takes into account the fact that rivals
5 are only able to constrain contestable sales if
6 you think they're price definitely. So that
7 either way you get to the same conclusion that
8 14 percent is a good conservative estimate of
9 the price affect.

10 Q. What is the size of Abbott
11 compared to Intuitive?

12 A. The exact size I don't know. But
13 I do conclude and Dr. Smith does not dispute
14 that Abbott the medical device OEM and the firm
15 most similar to Intuitive in terms of size in
16 in medical equipment repair and maintenance
17 service industry. So their size may be
18 different but they are the most similar in the
19 same category to Intuitive.

20 Q. In what areas does Abbott provide
21 service?

22 A. In the medical equipment area.
23 Variety of medical equipment.

24 Q. What type of medical equipment did
25 they provide service?

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2 A. They have, let's see, I'd have to
3 check to confirm. At least according to
4 Dr. Smith they have devices for the treatment
5 of cardiovascular disease, diabetes and
6 advancement of chronic pain and movement
7 disorders.

8 Q. What was last one?

9 A. Movement disorders. These are I
10 guess neuromodulation devices that help manage

11 pain and I guess it must be spasms is my

12 inference.

13 Q. What service does Abbott form in
14 each of those four categories?

15 A. I don't know the technical details
16 of what kind of service they are providing in
17 terms of repairing or maintaining those
18 devices.

19 Q. How many service technicians does
20 Abbott have?

21 A. I don't know.

22 Q. Do you know how many hospitals
23 Abbott services?

24 A. I don't offhand number number of
25 hospitals they service.

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2 Q. We talked about this a earlier,
3 you said you have a statement that Abbott
4 performs contestable and incontestable demand.
5 Do you recall examining the question of whether
6 incontestable services Abbott provides?

7 MR. SNYDER: Objection.

8 A. There is some support for the
9 overall population, but what the specific
10 services are, I don't recall anything on that.

9 the hypothetical of the service he that only

10 Intuitive could do in the but for world,

11 correct?

12 A. In your hypothetical, yes.

13 Q. So under the hypothetical where

14 there is certain services in the but for world

15 that only Intuitive can perform, you're

16 offering the opinion that Intuitive would drop

17 its prices on those services; is that right?

18 A. Yes. To observe the uniformity of

19 pricing for service.

20 Q. In the but for world you think

21 that Intuitive would preserve the uniformity of

22 pricing preserve?

23 A. It would do it in but for world as

24 well.

25 Q. And your basis for that is because

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2 in the actual world, assuming that there is a

3 very small amount of services done on time and

4 material basis, Intuitive charges the same

5 hourly rate for those services it can perform

6 and services that others can perform, is that

7 the basis?

8 A. Yes, they have this one rate

9 policy.

10 Q. You think that Intuitive would
11 maintain that policy in the but for world?

12 A. Yes I think whatever the rationale
13 for having that policy would continue to apply.
14 So I think and settle any evidence to the
15 contrary this he would maintain in in the but
16 for world.

17 Q. Do you model how many customers
18 would be willing to use third-party service in
19 the but for world?

20 A. I don't have a particular
21 percentage that would use it I'm relying on
22 price affect on Intuitive's own pricing.

23 Q. So have you then considered the
24 issue of technicians, right, so have you
25 considered how the third-parties would agree to

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2 some sort of a sufficient scale in the but for
3 world?

4 A. Like any company you have to grow
5 by hiring or training employees.

6 Q. So is it your assumption that the
7 third-parties would keep hiring people from

section is my recollection. But that I -- in
terms of output.

MS. BASS: Let's being off the
record.

THE VIDEOGRAPHER: The time is now
6:44 going off the record off the video
record.

(Recess taken)

THE VIDEOGRAPHER: The time is now
7:05 back on the video record.

BY MS. BASS:

Q. Professor Elhauge, I think we
talked about earlier today that you haven't
modeled was would be thought as kind of a
foreclosure percentage in this case; is that
right?

A. No, the foreclosure percentage is
100 percent, I calculate that.

Q. Have you it calculated which of
the hospitals you think would have purchased
from the third-parties in the but for world?

A. I miss that question.

Q. Have you calculated what
percentage of hospitals you think would have

2 purchased from the third-parties in the but for
3 world?

4 A. That is the but for market share,
5 that not the foreclosure share. The foreclosure
6 share is a 100 percent and proper economic
7 methodology does not subtract from the
8 foreclosure share hospitals that would have
9 purchased from Intuitive in the but for world.
10 So it applies whether or not the hospital would
11 have bought from arrival in the but for world.

12 Q. It is based off of your view that
13 even if a hospital would haven't ever purchased
14 from one of the third-parties, that the
15 hospital still foreclosed; correct?

16 A. Yes, it still foreclosed because
17 its choice was foreclose and still leads to
18 adverse price affects that that hospital
19 suffers.

20 Q. Can choice be foreclosed for
21 something that there is no demand for?

22 A. Well if there is no demand by
23 anybody -- I mean -- the rationale for treating
24 foreclose is actually the best way to test that
25 is not to speculative arguments about what they

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would have done, but allowing a free market to have them choose whether or not to go with the rival.

But the threshold test that I do apply is that some buyers want to purchase the products un/PWURD. There is some demand at least for it.

Q. You haven't attempted to measure what the system demand would be, correct?

A. There is some demand for the rival product, so the choses are being restrained at are in all the hospitals. They are not free to choose it and at lead to a price affect that applies to all hospitals whether or not they would bought from Intuitive in the but for world.

Q. You haven't made a attempt to quantify what you mean by some hospitals that would have purchased from the third-parties in the but for world, correct?

A. No, I show there is a range of projections. They all indicate substance sales would be made by rivals. But what the precise percentage does not matter for my analysis

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2 because it is based upon a price affect, a
3 conservative measure of the price affect which
4 is the price affect even if the hospital
5 continued to purchase from Intuitive.

6 Q. When you say estimate, those are
7 the one that we already covered today based off
8 Intuitive's own internal programs and the one
9 from Deutsche Bank and the one from Stryker;
10 correct?

11 A. In terms of the but for share, in
12 in terms of price affect it is the Intuitive
13 Project Dragon estimates.

14 Q. But you use the word substantial I
15 think in your prior answer regarding what you
16 think the third-parties would have been able to
17 garner in terms of share and I want to make
18 sure that I understand what you're referring to
19 when you said they are substantial estimates
20 and I wanted to make sure that's the --

21 A. There is progressions that
22 indicate some substantial sharing would go to
23 rivals including by Stryker, by Intuitive and I
24 think you're right there was a industry analyst
25 maybe it was Deutsche Bank. There is also the

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2 going to have a safety affect, it's not going
3 to have the anticompetitive affect it's just
4 not going to have not affect.

5 So to bother use the contracts
6 and the restraints and spend a lot of effort
7 enforcing them they have to think the
8 restraints were altering hospital choices.

9 Q. Have you calculated a but for
10 market share for the third-parties?

11 A. No, as I say in the report I
12 haven't calculated a precise but for market
13 share. It's enough it seems from all the
14 projections it would be substantial.

15 Q. Those are the projections that we
16 were just discussing?

17 A. Yes apartment other evidence that
18 indicate that a significant number of hospitals
19 would choose to buy from rivals at a lower
20 price.

21 Q. Whatever that evidence is would be
22 cited in your reports?

23 A. Yes.

24 Q. So you indicated earlier in one of
25 your responses that, I think you think of this